

**SAS Superstructure**

Location: 04-SF-80-13.2 / 13.9

Client Name: CalTrans

Run date 22-Nov-14

Time 6:42 AM

Daily Diary Report by Bid Item

Contract No.: 04-0120F4

Diary #: 1321 Const Calendar Day: 894 Date: 15-Nov-2014 Saturday

Inspector Name: Brignano, Bob Title: Transportation Engineer

Inspection Type:

Shift Hours: Break: Over Time:

Federal ID:

Location:

Reviewer: Schmitt, Alex Approved Date: Status: Submit

**04-0120F4
04-SF-80-13.2/13.9
Self-Anchored
Suspension Bridge****Weather**

Temperature	7 AM	12 PM	4 PM
Precipitation			Condition clear

Working Day ☒ If no, explain:**Diary:**

Dispute

General Comments

CCO 314, SAMPLING AND TESTING A354 GRADE BD MATERIAL:

There is no work in the field on this operation today by ABF. The Townsend Test (Test IV) is complete. ABF is working in the field today on other operations.

ITEM 53, TOWER FOUNDATION ANCHOR RODS GROUT - MOCKUP:

There is some work in the field on this operation today by ABF and its subcontractors. ABF's hourly labor (only Ironworker General Foreman James ("Fish") Sturgeon) at the Pier 7 warehouse is working an 8-hour shift 0700 through 1530 on this Saturday (1.5x OT). From the ABF office staff, Project Director Brian Petersen and Field Engineer Bret Clark are present. Also present and assisting today is Ron Knarr from RK Electric. The tower foundation anchor rods grout mockup operation is inspected by Sami Daouk.

A crew from RES Environmental Services (also known as Russo Environmental Services) from Pittsburg California is present today, but the crew from American Water Jetting from Richmond California that has been here on previous water jetting days is not available today. They arrive on site ~0900 because they are waiting for a delivery of new water jetting nozzles to arrive, with the delivery scheduled to arrive between 0900 and 1200. The package with the necessary nozzles for today's work arrives just before 1200. Prior to the delivery arriving, they are limited in what they can water jet - make a starter hole and then work with an older nozzle before they need to wait for the new equipment.

Yesterday, 2 rod/sleeve setups were water jetted in the second mockup - these are two of the six rods/sleeves in the mockup with the Denso wrapped galvanized rods in the pipe sleeves. One of those rod/sleeve setups had a hole water jetted part way down and the other rod/sleeve setup also had a hole water jetted part way down. Today, they are working on one of the setups that had previously been water jetted, but they work on the opposite side that has not been water jetted - 180-degrees around the annulus between the rod and pipe.

In the morning, they water jet a starter hole a few inches down. Then they water jet part way down before needing to stop to wait for the delivery of the new nozzles. After the delivery arrives with new nozzles, they resume water jetting after 1200, and make it part way down before the nozzle gets stuck. After they get it unstuck, replace the nozzle tip with another new one that is not worn out, they then resume water jetting. This operation involved 2 replacements of the nozzle tips and a total of 3 tips used for this one rod. They are blasting with 20,000 psi water, and they have a blowpipe with compressed air to assist with removing debris from the hole. They reach the bottom ~1300 and RES Environmental Services leaves



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the site ~1330. ABF uses a boroscope to examine the hole and check the bottom. Note that they were not able to get all the way to the bottom with the boroscope on a first examination and need to do some cleaning (suck out water and debris from the hole) before being able to get all the way to the bottom with the boroscope.

Included in the work by ABF is to maintain the fresh water Baker Tank with enough water and vacuum off the waste water from the ground into the other Baker Tank.

ITEM 53, TOWER FOUNDATION ANCHOR RODS GROUT - FIELD/T1:

There is some work in the field on this operation today by ABF. The tower foundation anchor rods grout operation is inspected by Sami Daouk.

Today, ABF receives three water jetting pumps on one flatbed truck in the morning. This equipment is unloaded by ABF with a forklift near the Whirly Crane at Pier 7 and will be loaded onto a barge for use during the water jetting work in the field (at T1) in the future. A fourth water jetting pump is moved from the test rig site to the area where it will be loaded onto the barge. This equipment is not loaded on the barge today.

INSPECTOR OT REMARK:

Field and Office 8 hours: I am at work between 0800 and 1630. ABF is working in the field on the tower foundation anchor rod mockup – water jetting second mockup of 6 rods. I am in the field briefly, and I am in the office for various work related to A354 Grade BD bolts and rods.